BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work:Improvement to Cement Concrete roads at Difence Colony in Bagalagunte W.No-14

JOB NUMBER.: SI-2 Est. Amount = 50.00 Lakhs

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB 300-1. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH/Chapter 3 (Page No. 142, It No. 19.2 of KPWD S.R 2016-17)								
	Difence Colony	Cum	2	188.00	1.20	0.90	406.08		
	Ch:00-188						Total Qty 406.08	203.78	82750.98
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4,2(Page No. 12, It No. 4.3 of KPWD S.R 2016-17)								
	Difence Colony	Cum	2	188.00	1.20	0.15	67.68		
	Ch:00-188						Total Qty 67.68	5159.02	349162.47
3	KSRRB M2200-5.9. Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 - i) Upto 5 m height:(Page No. 223, It No. 28.7.9 of KPWD S.R 2016-17)								
	Difence Colony	Cum	2	188.00	1.00	0.15	56.40		
	Ch:00-188 Bottom Slab		4	188.00	0.15	0.75	84.60		
	Ch:00-188 Side Wall						Total Qty 141.00	6965.26	982101.66
4	KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Speatotions complete as per specificationsMORTH Specrfication No.1600 & 2200(Page No. 17, It No. 28.8.2 of KPWD S.R 2016-17)								
	Difence Colony	Tonne	2	1880	2.65	0.62	6177.68		
	10mm dia bars @c 100mmc/c (u shape)		2	27	188	0.62	6294.24		
	10mm dia bars @c 100mmc/c (Straight bars)						12471.92	kgs	
							12.47	tonne	
							Total Qty 12.47	66482.14	8,29,159.93
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting,. propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No.15, It No. 4.31 of KPWD S.R 2016-17)								
	Difence Colony	Sqm							
	Side Wall		8	188.00		0.80	1203.20		
	Ch:00-188						Total Qty 1203.20	310.58	373689.86
6	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}								
	Difence Colony	Sqm	2	188.00		0.90	338.40		
	Ch:00-188						Total Qty 338.40	1957.00	662248.80
7	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH/Chapter 3(Page No. 1142, It No. 19.1 of KPWD S.R 2016-17)								
	Difence Colony	Cum	1	188.00	2.00	0.35	131.60		
	Ch:00-188								

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
8	KSRRB 300-58. Compaction of original ground with maximum of 6 passes Sqm of 8 to 10 tonnes power roller including filling in depression occuring during roiling including cost of all labour, HOM of machinery complete as per, specifications. MORTH / Chapter 3(Page No. 149, It No. 19.64 of KPWD S.R 2016-17)								
	Difence Colony	Sqm							
	Ch:00-188		1	188.00	2.00		376.00		
						Total Qty	376.00	5.30	1992.80
9	SRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification nNo. 406(Page No. 158, It No. 20.18 of KPWD S.R 2016-17)								
	Difence Colony	Cum							
	Ch:00-188		1	188.00	2.00	0.15	56.40		
						Total Qty	56.40	1768.08	99719.71
10	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No, 601(Page No. 176, It No. 22.1 of KPWD S.R 2016-17)								
	Difence Colony	Cum							
	Ch:00-188		1	188.00	2.00	0.15	56.40		
						Total Qty	56.40	3986.66	224847.62
11	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, including curing, finishing to lines and grades as per drawing complete as per specifications.M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)(Page No. 177, It No. 22.6.1 of KPWD S.R 2016-17)								
	Difence Colony	Cum							
	Ch:00-188		1	188.00	5.50	0.15	155.10		
						Total Qty	155.10	6217.96	964405.60
12	Vaccum de-watering with vaccum pump and suction mat and compaction with skinfloater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, bladeand disc etc., with all lead and lift.(Page No. 177, It No. 22.7 of KPWD S.R 2016-17)								
	Difence Colony	Sqm							
	Ch:00-188		1	188.00	5.50		1034.00		
						Total Qty	1034.00	95.40	98643.60

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
13	Providing groove cutting for width of 5mm to iOmm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.(Page No. 178, It No. 22.8.1 of KPWD S.R 2016-17)								
	Difence Colony	Rmt							
	Ch:00-188		1	35.00	5.50		192.50		
						Total Qty	192.50	121.90	23465.75
								Total Constrution cost	47,14,681.86
								DPR charges	47,146.82
								Tender Premium	2,35,734.09
								Sub Total	49,97,562.77
								Miscellaneous & Rounding Off	2,437.23
								Grand Total	50,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS BANGALORE-90.

Consultants
For Sri Sai Consultants

Assistant Engineer
Ward No.14
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Sub-Division
BBMP - Bangalore

Executive Engineer
Dasarahalli Division
BBMP - Bangalore

ನಂ.EE/DD/AS/136/17-18 ದಿನಾಂಕ : 26/9/17
ರೂ. ಫೈವ್ಟಿ ಲಕ್ಷ ರುಪೀಸ್ ಒನ್ಲಿ
Rs. 50-00 Lakhs
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ.CE(DS)/172/17-18 ದಿನಾಂಕ : 26/9/2017
ರೂ. ಫೈವ್ಟಿ ಲಕ್ಷ ರುಪೀಸ್ ಒನ್ಲಿ
Rs. 50-00 Lakhs
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.